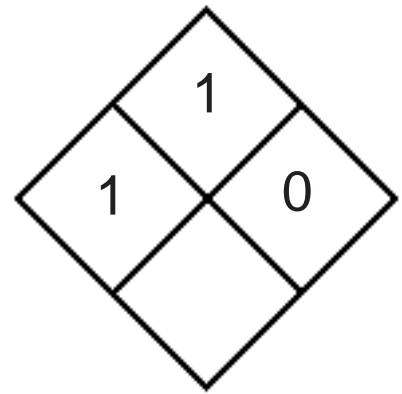




Ridge Tool Company  
 400 Clark Street  
 Elyria, Ohio 44036-2023, U.S.A.



## MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT INFORMATION				
PRODUCT NAME: RIDGE PREMIUM NUCLEAR THREAD CUTTING OIL		EMERGENCY TELEPHONE NUMBER: (440) 323-5581		
CHEMICAL FAMILY: PETROLEUM HYDROCARBON		TELEPHONE NUMBER FOR INFORMATION: 1-800-519-3456		
DOT PROPER SHIPPING NAME: NOT A REGULATED MATERIAL		DATE PREPARED: FEBRUARY 25, 2000		
SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION				
HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	%
Paraffinic Mineral Oil	64742-54-7	5mg/m <sup>3</sup> TWA	5mg/m <sup>3</sup> TWA	>95%
			10mg/m <sup>3</sup> STEL	
Sulfur Additive Package	Mixture	no info	no info	<5%
Unlisted ingredients are trade secrets and are not hazardous chemicals under OSHA Hazard Communications Standard (29 CFR 1910.1200)				
SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS				
Boiling Point:	480°	Specific Gravity (H <sub>2</sub> O = 1):		0.87
Vapor Pressure (mm Hg.)	0.01 @ 20°C	Solubility in Water:		NIL
Vapor Density (Air = 1)	1	Evaporation Rate (Butyl Acetate = 1)		1
APPEARANCE AND ODOR: CLEAR AMBER LIQUID.				
SECTION IV - FIRE AND EXPLOSION HAZARD DATA				
Flash Point: (Method Used) 385°F (Cleveland Open Cup)		Flammable Limits: Not Determined		LEL: UEL:
Extinguishing Media: Water Fog, Dry Chemical, CO <sub>2</sub>				
Special Fire Fighting Procedures: Wear self contained breathing apparatus. Keep fire exposed containers cool with water.				
Unusual Fire and Explosion Hazards: Hot vapors form explosive mixtures with air.				
SECTION V - REACTIVITY DATA				
Stability	Unstable		Conditions to Avoid:	
	Stable	X	Spark and Open Flames	
Incompatibility: (Materials to Avoid) Strong acids and oxidants				
Hazardous Decomposition or Byproducts: Upon Combustion - CO, CO <sub>2</sub> , Oxides of Sulfur				
Hazardous Polymerization	May Occur		Conditions to Avoid:	
	Will not Occur	X	None	

SECTION VI - HEALTH HAZARD DATA			
Route(s) of Entry:	Inhalation? X	Skin? X	Ingestion? X
Health Hazards: (Acute and Chronic) Causes Irritation - May be skin defatter upon prolonged or repeated contact. Overexposure to vapors, mist or fumes may result in upper respiratory tract irritation and difficulty breathing. Mineral oil mist, OSHA established 8 hr. TWA PEL of 5 mg/m <sup>3</sup> . ACGIH recommends a 15 min. STEL TLV of 10 mg/m <sup>3</sup> .			
Carcinogenicity:	NPT? Not Listed	IARC Monographs? Not Listed	OSHA Regulated? Not Listed
Signs and Symptoms of Exposure: <b>Eyes:</b> Mild irritation and redness. <b>Ingestion:</b> Gastrointestinal irritation, nausea, vomiting and diarrhea. <b>Inhalation:</b> Dizziness and difficulty breathing.			
Medical Conditions Generally Aggravated by Exposure: Sensitive Dry Skin.			
Emergency and First Aid Procedures: <b>Eyes:</b> Immediately flush with plenty of water for at least 15 minutes. Call a physician. <b>Skin:</b> Wash with soap and water. <b>Ingestion:</b> Do not induce vomiting. Dilute by giving at least 2 glasses of milk or water to a conscious person. Get medical attention. <b>Inhalation:</b> Remove to fresh air and give artificial respiration is necessary. Get medical attention.			
SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE.			
Steps to be Taken in Case Material is Released or Spilled: Do not use water - Soak up with sand, earth or other inert material. Put in suitable container. Dispose of in accordance with Local, State and Federal regulations.			
Waste Disposal Method: Dispose of material in accordance with Local, State and Federal regulations. Avoid contamination of sewers and water ways.			
Precautions to be Taken in Handling and Storing: Avoid contact with eyes, skin, and clothing. Remove contaminated clothing. Launder before re-use. Wash thoroughly after handling.			
Other Precautions: Avoid breathing mist or vapors.			
SECTION VIII - CONTROL MEASURES			
Respiratory Protection (Specify Type): Use NISOH approved respirator if engineering or other controls are not adequate to reduce airborne exposure to below permissible exposure limits.			
Ventilation: General dilution or local exhaust recommended.			
Protective Gloves: Neoprene Oil Impervious if subject to continuous contact.		Eye Protection: Safety Glasses or Goggles	
Other Protective Clothing or Equipment: Aprons, Oil Repellent Barrier Creme or other as required to avoid skin contact if subject to repeated exposure.			
Work/Hygienic Practices: Wash after handling.			
SECTION IX - REGULATORY INFORMATION			
TSCA: All components are registered under regulations of TSCA.			
Sara Title III: Contains no ingredients subject to reporting under Section 313. Is reportable under Sections 311 and 312 if thresholds are met. Contains no extremely hazardous substances under Section 302. Health categories are Health/Acute and Health/Chronic.			
WE BELIEVE THE STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE RELIABLE, BUT THEY ARE GIVEN WITHOUT WARRANTY OR GUARANTEE OF ANY KIND, EXPRESSED OR IMPLIED, AND WE ASSUME NO RESPONSIBILITY FOR ANY LOSS, DAMAGE, OR EXPENSE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THEIR USE.			